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# Captains Of Industry Brief (COI)

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# Agenda

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- **Opening Remarks** GEN Cody & Gen Magnus
- **Combat Warrior Stories** Combat Warriors
- **Threat Overview** MG DeFreitas
- **Requirements Overview** BGen Conant
- **Way Forward** MG Sorenson
- **Questions & Answers** MG Sorenson & BGen Conant
- **Closing Remarks** Gen Magnus

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# Purpose

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To establish a partnership with industry and inspire industry collaboration to meet our Nation's urgent wartime need to provide our Warriors with the greatest protection possible in a Joint Light Tactical Vehicle (JLTV).

**UNLEASH YOUR INGENUITY AND  
INNOVATION IN DEVELOPMENT AND DESIGN**

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# Challenge to Industry

## Your "Manhattan Project"

### • PERFORMANCE

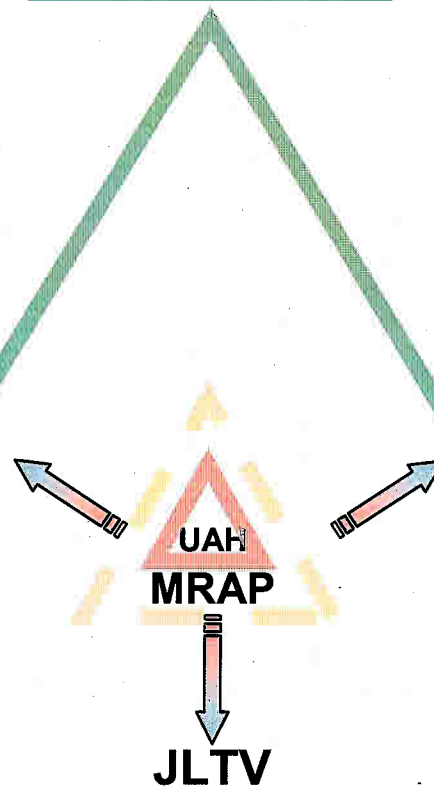
- Mobility
  - Operate in all environments
    - Complex urban environments
    - Tight mountainous terrain
    - Soft soil operations
    - Fast enough to:
      - Overtake convoy
      - Pursue enemy
      - Combat sprint
  - ≥ HMMWV A2 Unarmored
- Transportability
  - Maritime Pre-position Ship Compatible
  - C-130/C-17 Air liftable
  - CH-47/CH-53 sling loadable
- Commonality Among Variants
  - Modular/Plug-and-Play

**PERFORMANCE**

**PROTECTION**

### • PROTECTION

- A Quantum Leap over Current Armor Protection
- Focus on Occupant, not Necessarily Vehicle, Survivability
- 360° Spherical and Internal Protection
  - Side & Underbelly IED
    - Blast/fragmentation
    - EFP/Shape charge
  - Overhead blast
  - Small arms
  - RPG
  - Fire
  - Roll-over



### • PRODUCTION CAPABILITY

- High Capacity
- Surge

**PAYLOAD**

### • PAYLOAD

- ≥ HMMWV A2 Unarmored

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# JLTV Family of Vehicles

## JLTV Family of Vehicles (FoV)

### Battlespace Awareness Mission Area

#### Payload Category A (Increment I - 2012)

Payload: ~3,500 lbs  
Performance: Exceed HMMWV  
Transport: IAT/EAT CH-47/53

#### Configurations

LRS Weapons

Army General  
Purpose Mobility

### Force Application Mission Area

#### Payload Category B (Increment I - 2012)

Payload: ~4000/4500 lbs  
Performance: Exceed HMMWV  
Transport: EAT CH 47/53

#### Configurations

Heavy Guns Carrier (MP,  
Mtd Patrol) (4+ Gunner)

ITAS (TOW) Carrier (crew 3)

LRAS3 Recon

C2OTM

Light Cargo Carrier

Infantry Carrier - Fire Team -  
Army (2+5) - CTV

Infantry Carrier - Fire Team -  
USMC (1+5) - CTV

Ambulance (2 Litter)

### Focused Logistics Mission Area

#### Payload Category C (Increment I - 2012)

Payload: ~5,100 lbs  
Performance: Exceed HMMWV  
Transport: EAT CH 47/53

#### Configurations

General Purpose Cargo  
and Passenger Trans

Shelter Carrier  
(Maintenance/Comm)

Ambulance (4 Litter)

CS Vehicles - Combat  
Eng, NBC, etc. (2 seat)

Prime Movers (120MM  
Mtr, Q36 Radar) (2Seat)

#### Payload Category D (Increment II ~ 2016)

Payload: 6,100  
Performance: Equal to LMTV  
Transport: C-130

#### Configurations

Troop Transport / Infantry  
Carrier - Squad (2+9)

Heavy Shelter & DI System  
Carrier

Heavy Ambulance w/  
Treatment Facility

Light Howitzer Ammo Prime  
Mover

Weight / Transportability Boundary

Weight / Transportability Boundary

Weight / Transportability Boundary

JLTV FoV categorized by JCIDS battlespace functions & payload categories

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# Light Tactical Vehicle Evolution: Jeep to JLTV



**1959-1984  
M151**

Technology Improvements:  
Redesigned for the Military.  
Featuring a longer wheelbase,  
softer ride, more powerful  
engine, manual transmission,  
and four wheel independent  
suspension

Over 300,000  
produced between  
1941-1945



**1993-?  
M1114/M1151  
Armament Carriers**

AO  
21,857



Technology Improvements:  
Expanded Capacity Vehicles  
(1993-present)  
5,100 lb. payload (M1113,  
M1151/1152, incl. crew)  
Heavy Up-Armored HMMWV  
(M1114 UAH)

**1984-?  
HMMWVs**

AO  
132,477



Technology Improvements:  
A0 Series (1984-93) 6.2L diesel engine, 3 spd transmission,  
2,500 lb. payload (incl. crew), Up to 3,632 lb. Payload (shelter  
carrier)  
86,237 produced  
A1 Series (1991-95) Improved drivetrain, Improved  
suspension  
8,899 produced  
A2 Series (1994-present) 6.5L engine, 4 spd electronic trans,  
9,000 lb. winch, CTIS ready, 4,400 lb. payload (incl. crew),  
9,013 produced

**2010-Future  
JLTV FOV**

Technology Improvements:  
Integrated Survivability  
(Armor),  
Integrated C4ISR (space,  
weight, power)  
Net Payload Capacity with  
Armor  
Improved Mobility with and  
without Armor



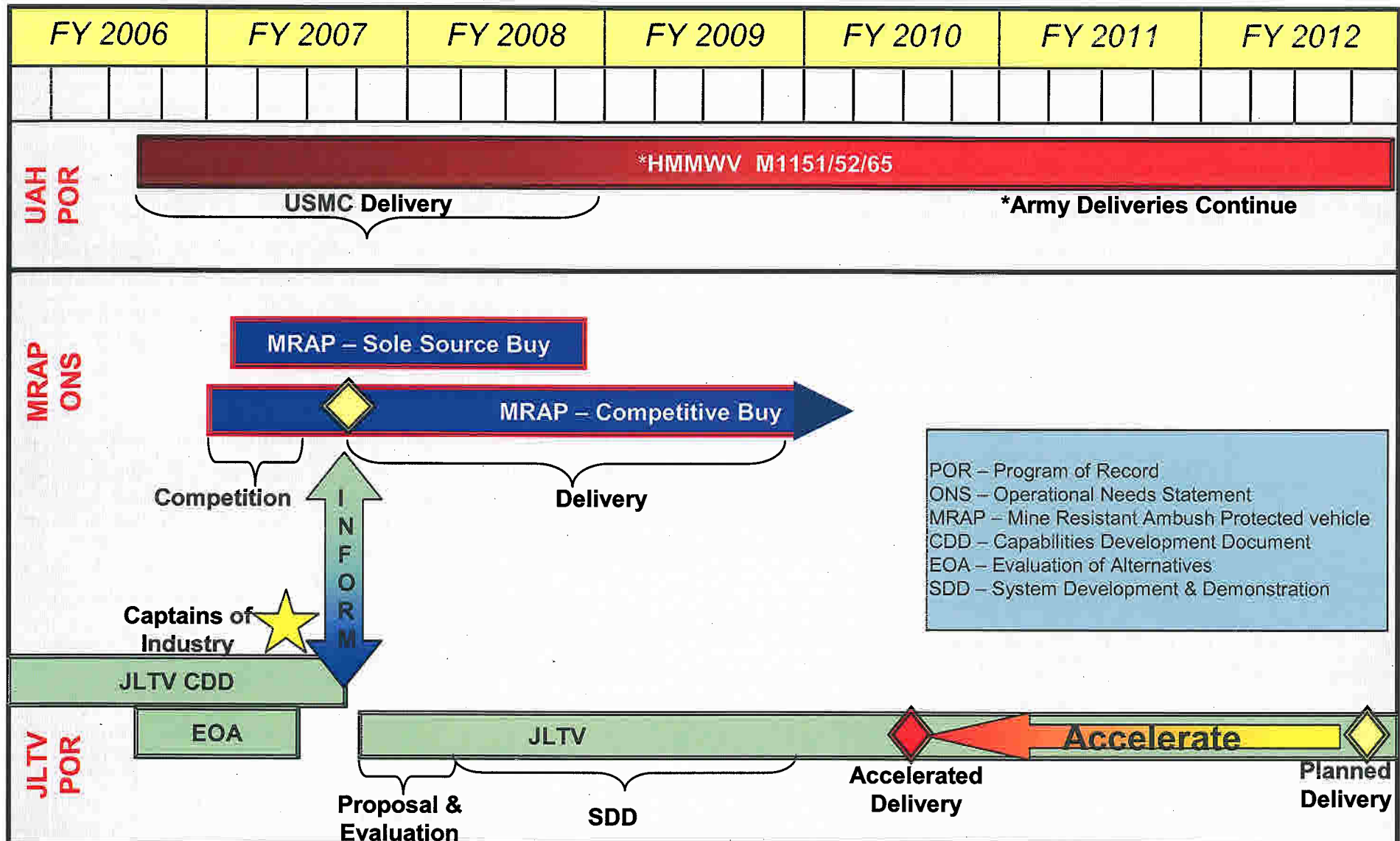
**Today's Light Vehicle is More Complex – Modernization Cycles Accelerating**



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# Vehicle Timeline



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# Post Captains of Industry Meeting Timeline

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- **Release of Draft Request for Proposal - April 2007 (T)**
  - Purpose is to receive comments from Industry that will foster a better understanding of the requirements and industry's capability to satisfy those requirements
  - Obtain information through open communications, improving RFP content, and completeness from an industry perspective
- **Post COI Industry Day – late-April/early-May 2007 (T)**
  - Presolicitation Conference (share information, enhance understanding of the requirement, and build a sense of ownership with Government and Industry)
- **Release of Final Request for Proposal - June 2007 (T)**

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# Questions & Answers

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- **Are the Joint Services already engaging industry to “fix” the IED vulnerabilities of the current Tactical Wheeled Vehicle fleet with Mine Resistant Ambush Protected (MRAP) vehicle contracts?**
  - MRAP supports theater specific need for highly survivable vehicles
  - Trades off performance and payload
  - JLTV to provide significantly better protection, performance and payload over the UAH
- **How will acceleration of the JLTV program impact the HMMWV fleet?**
  - JLTV will replace a yet to be determined number of HMMWVs
  - Will be some decrease in the HMMWV numbers
  - HMMWV will remain a key vehicle in our TWV fleets for many years
- **How many JLTVs will the Services buy?**
  - Total requirements have yet to be finalized and officially approved
  - Current projection is for approximately 40,000 JLTVs in increment 1
  - Continued analysis will add fidelity to the follow-on increments

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# Questions & Answers

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- **How will the Services pay for JLTV acceleration?**
  - Acceleration decision between POM cycles
  - Working to program procurement funds for JLTV starting in FY09
  - RDTE funding available in FY08
  - We believe industry can produce new vehicle armoring technologies in the near future, so we anticipate the full support of Congress in this acceleration effort
- **How do the Army and Marines intend to coordinate joint contracting and acquisition requirements for COI?**
  - The Army is the lead service; provisional Joint Program Office (JPO) established April 2006
  - JLTV JPO to be located in Warren, MI with offices at Quantico, VA
  - JPO will insure that all Services and offices are intricately linked
- **When is the production decision?**
  - Estimated 24 month SDD phase - depends on what industry can provide
  - We desire to accelerate JLTV production by two years; need vehicles meeting requirements of the formal RFP as soon as possible

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# Questions & Answers

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**What are your questions?**

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# Captains of Industry Presentation

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## Closing Comments

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**Thank you  
for attending today's event.**

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